Intellitec
131 Eisenhower Lane N., Lombard, IL 60148
630 268 0010 800 251 2408
www.intellitec.com

Intellitec's Programmable Keypads are members of Intellitec's Programmable Multiplex Control Family, as well as the 160 Channel Multipoint Switching System (RV Multiplex). They work in combination with the 160 Channel IPX Master (00-00837-000) or the PMC CPUs (00-00622-021 or 00-00800-022) and other standard, semi-custom, or custom I/O modules. T*here are a variety of different keypads to select from.*

FEATURES

- Available in 4, 6 and 10 button versions
- Available with Green backlighting and Red Indicators, or Green backlighting and Amber indicators
- Units have *extra bright* LEDs that can be dimmed via PMC programming or software
- Push button legends are easily created and applied by the installer
- Programmable via a Windows interface and GUI provided by Intellitec. Each button, indicator and backlighting can be easily programmed by the installer to communicate on any PMC System, or Multipoint Switching System channels
- Wall cover plates are available in white, black, or pumice
- Keypads can be mounted behind a panel with cut-outs, or on the surface with wall cover plates

LEGENDS

The installer can determine what the legend will be for each button. With the cover plate removed, a strip of paper can be inserted into the keypad which will legend 5 buttons at one time. The paper strips with legend can be made on a computer printer. You may wish to experiment with different kinds of paper as the lighting effect will vary with the paper used. We have found drafting Mylar used in a laser printer, or copy machine provides a good effect.

WIRING

Regardless of the number of buttons, each keypad has a 3-pin Amp Mate-N-Lok connector. When connected to a PMC CPU, or Multipoint Switching Master (RV Multiplex) only 3 wires are needed . These same 3 wires connect to every switch panel in the vehicle. For example, a motor coach may have 10 or more, 10 button switch panels. That's 100 lighted switches connected by only 3 wires !

BACKLIGHTING

Backlighting for the keypads is provided by green LEDs. Depending upon programming and the keypad selected, backlighting can be turned on, off, or dimmed.

If backlighting is off, then anytime a pushbutton is pressed, the backlighting for that local keypad will turn on for 15 seconds. During this time other keypads in the system will remain un-lit.

For PMC keypads, backlighting can be programmed to respond to a specific channel allowing it to turn on, off, or dim.

For the Multipoint Switching System momentarily activating a button assigned to channel BL/MR will turn the backlighting on for all keypads connected to the system. Momentarily activating it again, will turn the backlighting off. This can be done by using the programming GUI to assign channel BL/MR to one or more of the buttons in the system. Keypads can also be programmed so these functions only affect the local keypad. *(Further details to follow)*

MATING CONNECTIONS

Function	Connector	Mating AMP Part #	Contact *(for 14-18 AWG)*
PWR & COMM	3 Pin Amp Mate-N-Lok	1-480700-0	350919-3

J1-1	External PWR from CPU	16 awg Min.
J1-2	Multiplex Signal	18 awg Min.
J1-3	Multiplex Ground (Sig-)	14 awg Min.

CAUTION Please use 14 awg Min. on multiplex Ground (Sig-) Pin 3

J2 4-Pin Programming connection, located on front side of keypad. Allows programming after installation.

Programming Kit, *P/N 10-00849-000*

Software download available at www.intellitec.com

KEYPADS FOR USE WITH THE PMC SYSTEM USING CPUs 00-00622-021 AND 00-00800-022

PMC 12V		# of Buttons	Back light / Indicator Light	Dimmable Lighting	Windows Software
00-00870-010		10	Bright Grn/Amber	Yes	870
00-00870-210		10	Bright Grn/Red	Yes	870
00-00874-006		6	Bright Grn/Amber	Yes	874
00-00874-206		6	Bright Grn/Red	Yes	874
00-00870-006 **		6	Bright Grn/Amber	Yes	874
00-00870-206 **		6	Bright Grn/Red	Yes	874
64-00274-000**		6	Cover Plate (specific)		

PMC 24V		# of Buttons	Back light / Indicator Light	Dimmable Lighting	Windows Software
00-00879-010		10	Bright Grn/Amber	Yes	870
00-00879-210		10	Bright Grn/Red	Yes	870
00-00880-006		6	Bright Grn/Amber	Yes	874
00-00880-206		6	Bright Grn/Red	Yes	874

**Switch Panel p/n 00-00870-006 and -206 are 6 button switch panels; each has 4 inputs to be used with remote switches. The cover p/n is 64-00274-000.

All 6 Button Switch Panels may be modified to make a 4 Button Switch Panel available, if desired.

The PMC and Multipoint Switching System are multiplexed systems consisting of 16, 10 channel modules for a total of 160 addressable channels. Each of the 16 modules has a designated letter address of A - P. Each of the 160 channels is designated A1 thru A10, ... P1 thru P10. The 320 channel system has two communications loops of 160 channels each.

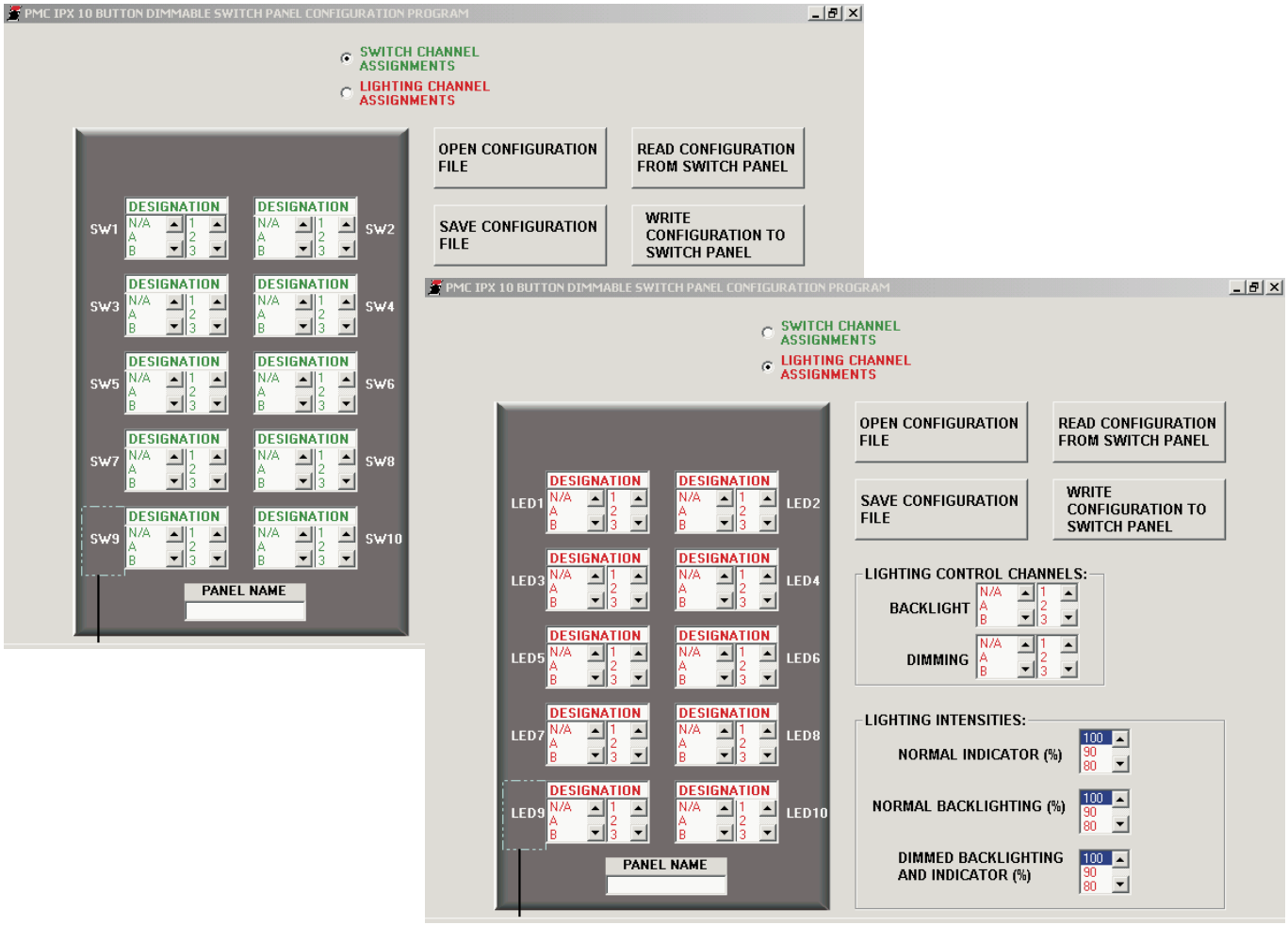
PMC KEYPAD FUNCTION

Using a Windows based software program each button on a keypad can be programmed to be an input which communicate on any of the 160 channels.

The keypad backlighting can be programmed as an output communicating on any channel on the system so that it can be turned on or off via logic commands.

Each push button indicator light can be programmed to be any output channel in the system. This allows logic commands to turn the switch indicator light on or off. You could for example have the indicator only turn on when the output is on. For example, in an emergency vehicle, you could turn the load off and the switch indicator light turns on whenever the voltage gets to be too low.

The indicator lights and backlighting are dimmable on some switch models. Specific channels can be programmed, which will cause the backlighting and indicator lights to dim. For example, you may wish to dim the indicators when the headlights are on. Using the programming GUI, the intensity of the LEDs can be programmed. An example of the Windows GUI screen that is used to program a keypad is shown below. Once the settings have been made, a file can be saved on your computer, so that you may program additional keypads in the future.



MULTIPOINT RV MULTIPLEX KEYPAD FUNCTION

In this system each pushbutton can be programmed for one of the systems 160 channels. When using the 00-00837-000 Master and latching output modules, each pushbutton is programmed to the same channel that the output is on. For example, if you wish to control the output with address B5, you would program one or more pushbuttons to channel B5 using the Windows GUI below. The 869 and 873 GUI can be used to set the intensity of the LEDs. *In addition, the GUI can be used to set a Keypad for independent backlighting control.* When this box is checked, the backlighting and indicators can be toggled on/off locally without affecting other keypads in the system. This is accomplished by assigning BL/MR to one of the buttons. A momentary press of this button will turn the backlighting and indicators off for that switch panel. Pressing and holding the button set for BL/MR will turn all outputs and keypad lights off in the entire vehicle. If the local box is not checked, a momentary press of a BL/MR button will turn off all backlighting and indicators in the vehicle. Pressing and holding a BL/MR button will turn every output and keypad light off. If backlighting is turned off, a momentary press of any button will turn backlighting on for that keypad.

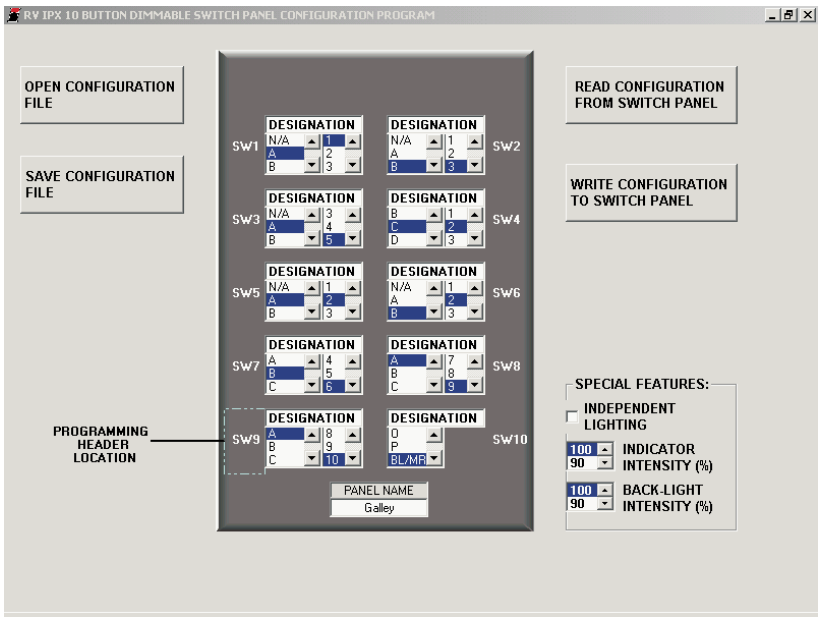
KEYPADS FOR USE WITH THE MULTIPOINT (RV MPX) SYSTEM USING MASTER 00-00837-000

RV Multiplex		# of Buttons	Back light / Indicator Light	Dimmable Lighting	Windows Software
00-00869-010		10	Bright Grn/Amber	Yes	869
00-00869-210		10	Bright Grn/Red	Yes	869
00-00873-006		6	Bright Grn/Amber	Yes	873
00-00873-206		6	Bright Grn/Red	Yes	873

RV Multiplex		# of Buttons	Back light / Indicator Light	Dimmable Lighting	Windows Software
**00-00869-006		6	Bright Grn/Amber	Yes	869
**00-00869-206		6	Bright Grn/Red	Yes	869
**64-00274-000		6	Cover Plate (specific)		

**Switch Panel p/n 00-00869-006 and -206 are 6 button switch panels; each has 4 inputs to be used with remote switches. The cover p/n is 64-00274-000.

All 6 Button Switch Panels may be modified to make a 4 Button Switch Panel available, if desired.



# of Buttons	Cover Plate	Color
10	64-00272-000	Black
4	64-00276-000	Black
6	64-00277-000	Black
10	64-00272-100	White
4	64-00276-100	White
6	64-00277-100	White
10	64-00272-200	Pumice
4	64-00276-200	Pumice
6	64-00277-200	Pumice